



IFW

**AMENDMENT TRANSMITTAL LETTER**Docket No.  
SON-3173Application No.  
10/584,994-Conf. #5930Filing Date  
June 29, 2006Examiner  
Not Yet AssignedArt Unit  
2811

Applicant(s): Masaaki Bairo

Invention: BIPOLAR TRANSISTOR, SEMICONDUCTOR APPARATUS HAVING THE BIPOLAR TRANSISTOR, AND METHODS FOR MANUFACTURING THEM

**TO THE COMMISSIONER FOR PATENTS**

Transmitted herewith is an amendment in the above-identified application.

The fee has been calculated and is transmitted as shown below.

CLAIMS AS AMENDED					
	Claims Remaining After Amendment	Highest Number Previously Paid	Number Extra Claims Present	Rate	
Total Claims	8	- 20 =	0	x 50.00	0.00
Independent Claims	4	- 4 =	0	x 200.00	0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					
Other fee (please specify):					
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:					0.00

 Large Entity  Small Entity No additional fee is required for this amendment. Please charge Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_.  
A duplicate copy of this sheet is enclosed. A check in the amount of \$ \_\_\_\_\_ to cover the filing fee is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge and credit Deposit Account No. 18-0013  
as described below. A duplicate copy of this sheet is enclosed. Credit any overpayment. Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.

Dated: July 11, 2007

Ronald P. Kananen  
Attorney/Agent Reg. No.: 24,104RADER, FISHMAN & GRAUER PLLC  
1233 20th Street, N.W.  
Suite 501  
Washington, DC 20036  
(202) 955-3750



Docket No.: SON-3173  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Masaaki Bairo

Application No.: 10/584,994

Confirmation No.: 5930

Filed: June 29, 2006

Art Unit: 2811

For: BIPOLAR TRANSISTOR, SEMICONDUCTOR  
APPARATUS HAVING THE BIPOLAR  
TRANSISTOR, AND METHODS FOR  
MANUFACTURING THEM

Examiner: Not Yet Assigned

**FIRST PRELIMINARY AMENDMENT**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INTRODUCTORY COMMENTS**

Prior to examination on the merits, please amend the above-identified U.S. patent application as follows:

**Amendments to the Specification** begin on page 3 of this paper.

**Amendments to the Abstract** begin on page 4 of this paper.

**Amendments to the Drawings** begin on page 5 of this paper and include both an attached replacement sheet and an annotated sheet showing changes.

**Remarks/Arguments** begin on page 6 of this paper.

Application No. 10/584,994  
Amendment dated July 11, 2007  
First Preliminary Amendment

Docket No.: SON-3173

An **Appendix** including amended drawing figures is attached following page 6 of this paper.